

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	314620	additive	USPAT	OR	ON	2006/09/16 13:53
L2	1	"6391020".pn.	USPAT	OR	ON	2006/09/16 13:55
L3	1197	(ultrashort or ultrafast) with (pulse or laser)	USPAT	OR	ON	2006/09/16 13:55
L4	176792	electric\$2 with field	USPAT	OR	ON	2006/09/16 14:01
L6	27	1 and 3 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:05
L7	325348	microbubble or micro\$1bubble or (micro with bubble) or bubble or cavitate or cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:06
L9	7	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:07
L10	163	photodisrupt\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:07
L11	1	3 and 4 and 1 and 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:09
L12	503	nanodevice	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:09
L13	131700	therapeutic with agent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:09
L14	432501	1 or 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:11

## EAST Search History

L15	2	12 and 14 and 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:23
L16	11	3 and 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:25
L17	4	3 same 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 14:52
L18	2	"6165440".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 15:00
L19	91	non\$1linear with acoustic with scatter\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 15:00
L20	20295	7 with size	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 15:01
L21	9	19 and 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 15:39
L22	1	19 same 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 15:01
L23	474	600/458.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/16 15:39
S1	3	US-5615675-\$.DID. OR US-5732046-\$.DID. OR US-6471968-\$.DID.	USPAT	OR	ON	2006/09/16 13:53

## EAST Search History

S2	87	"o'donnell, matthew".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:03
S3	10	"ye, jing".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:03
S5	11	"norris, theodore".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:03
S6	824	"baker, james".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:04
S7	24	"balogh, lajos".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:04
S8	1	"milas, susanne".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:04
S9	2	"emelianov, stanislav".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:04
S10	1	"hollman, kyle".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:04
S11	937	S2 S3 S5 S6 S7 S8 S9 S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:05

## EAST Search History

S12	877	laser\$1induced\$1optical\$1breakdown or (laser\$1induced\$1optical with breakdown) or (laser\$1induced with optical\$1breakdown) or (laser with induced\$1optical\$1breakdown) or (laser\$1induced with optical with breakdown) or (laser with induced with optical\$1breakdown) or (laser with induced\$1optical with breakdown) or (laser with induced with optical with breakdown) or liob	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 14:11
S14	385248	(acoustic with (wave or (shock with wave))) or ultrasound or ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:38
S15	26	S12 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:23
S16	1812	600/437.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:11
S17	249	600/438.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:11
S18	799	600/439.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:11
S19	1588	600/443.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:11
S20	957	601/2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:11
S21	4878	S16 S17 S18 S19 S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:11

## EAST Search History

S22	3	S12 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:11
S23	8227	microbubble or micro\$1bubble or (micro with bubble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:24
S26	325105	microbubble or micro\$1bubble or (micro with bubble) or bubble or cavitate or cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:24
S27	13	S15 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:37
S28	163	photodisrupt\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:37
S29	915140	laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:37
S30	528047	plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:37
S31	46	S28 and S29 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:37
S35	407190	(acoustic with wave) or (shock with wave) or shockwave or shock\$1wave or ultrasound or ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:40
S36	23	S35 and S31 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:47

## EAST Search History

S37	2	"4960108".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:56
S38	4156	destruct\$3 with event	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:56
S39	75	S29 and S38 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 11:02
S40	6365802	detect\$3 or read or acquir\$3 or acquisition or sens\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:58
S41	104249	S35 same S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:58
S42	2745	S35 same S40 same S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:58
S43	7567	S26 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 10:58
S44	2	"4950267".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 11:09
S45	150	("4397314"   "4433692"   "4513749"   "4576177"   "4672963"   "4676231"   "4693244"   "4788975"   "4817615").PN. OR ("4950267").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:12
S46	132	S29 and S45	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:13
S47	39	S26 and S46	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:14

## EAST Search History

S48	18	S35 and S47	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:14
S49	6	("4136700"   "4576177"   "4587972"   "4729373"   "4950267").PN. OR ("6238386").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:28
S50	2	US-6391020-\$ DID. OR US-6471968-\$ DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 17:15
S51	5	("4960108"   "5219401"   "5368031"   "6203540"   "6238386").PN. OR ("6391020").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:31
S52	12	("3942519"   "4469098"   "4832023").PN. OR ("4960108").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:42
S53	1	US-6605453-\$ DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:42
S54	15	("4223676"   "4445892"   "4960108"   "5031626"   "5281231"   "5295484"   "5368591"   "5524620"   "5590657"   "5601526"   "5827203"   "5873845"   "5885272"   "5925012"   "5944687").PN. OR ("6755821").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:53
S55	869	lithotripsy	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:55
S56	4	lasertripsy	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:54
S57	292	S55 and S35 and S29	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:56
S58	95	S26 and S57	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:46
S60	1050	laser\$1induced\$1optical\$1breakdown or (laser\$1induced\$1optical with breakdown) or ((laser\$1induced with optical\$1breakdown) or (laser with induced\$1optical\$1breakdown) or (laser\$1induced with optical with breakdown) or (laser with induced with optical\$1breakdown) or (laser with induced\$1optical with breakdown) or (laser with induced with optical with breakdown) or liob or photodisrupt\$3 or photo\$1disrupt\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 14:11

## EAST Search History

S61	16410	jung.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:48
S62	1340	jung.xa.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:48
S63	190685	ultraso\$7	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:49
S64	588086	laser or optic	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:49
S65	1202187	laser or optic\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:49
S66	52	S62 and S63 and S65	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:50
S68	8842	600/437-472.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 15:50
S69	34	S66 and S68	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/13 15:50
S70	11	("4200399"   "4402601"   "4564018"   "4633866"   "5085220"   "5305759"   "5369454"   "5521657"   "5728156"   "6179421"   "6440070").PN. OR ("6652459").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 18:19
S71	2	"6652459".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 16:30
S72	407568	(acoustic with wave) or (shock with wave) or shockwave or shock\$1wave or ultrasound or ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 14:42
S73	2	"6719449".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 14:45

## EAST Search History

S74	325348	microbubble or micro\$1bubble or (micro with bubble) or bubble or cavitate or cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:33
S75	29584	S72 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:28
S76	311115	viscoelastic\$3 or visco\$1elastic\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:29
S77	492	S75 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:32
S78	9165307	(size or dimension or diameter or radius or perimeter or area or volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:32
S79	300055	microbubble or micro\$1bubble or (micro with bubble) or bubble	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:33
S81	50291	S78 with S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:34
S82	104	S77 and S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:35
S83	31	("3640271"   "4316391"   "5195520"   "5285788"   "5425366"   "5447161").PN. OR ("5749364").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 16:22
S84	1	"6546272".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 16:22

## EAST Search History

S85	79	laser with (shockwave or shock\$1wave or ultrasound or ultrasonic) with (bubble or microbubble or micro\$1bubble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 16:31
S86	3357	harmonic with imag\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 17:15
S87	619	S72 and S74 and S86	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 17:15
S88	371	S81 and S87	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 17:15
S89	13	S76 and S88	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 17:15
S90	58	("4276885"   "4466442"   "4586511"   "4613326"   "4657756"   "4684479"   "4718433"   "4774958"   "4832941"   "4844882"   "4859363"   "4898734"   "4904479"   "4925678"   "4927623"   "4957656"   "5088499"   "5108759"   "5123414"   "5141738"   "5149319"   "5155215"   "5186922"   "5196183"   "5205287"   "5205290"   "5271928"   "5305757"   "5310540"   "5315997"   "5315998"   "5333613"   "5334381"   "5348016"   "5350571"   "5352435"   "5352436"   "5376380"   "5380519"   "5393524"   "5439669"   "5498421"   "5501863"   "5502094"   "5536489"   "5542935"   "5556610"   "5558094"   "5558853"   "5558854"   "5558855"   "5558856"   "5558857"   "5562893"   "5585112"   "5804162").PN. OR ("6193952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 17:25